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I, Ryan S. Loveless, hereby certify that this paper (along with any papers and fees referred to as being attached or enclosed or actually enclosed) is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above, with sufficient postage, and is addressed as follows:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

*Ryan S. Loveless*  
\_\_\_\_\_  
Signature of person mailing paper

In re Application of: G. Douglas Meegan, Jr.  
Serial No.: Not Assigned  
Filing Date: November 3, 2003  
Group Art Unit: Not Assigned  
Examiner: Not Assigned  
For: **Acoustical Stimulation of Vapor Diffusion System and Method**

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Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.97(b)(1) Applicant submits the art listed on the attached PTO-1449 form along with a copy of the referenced art and notes that no fees are believed to be due in connection with this filing. Applicant submits this Information Disclosure Statement in compliance with 37 C.F.R. §1.97(b)(1),

as Applicant is filing this Information Disclosure Statement within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d).

Applicant respectfully requests, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the art listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. A copy of this art is enclosed for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), no representation is made that this art is material to patentability of the present application or that a search has been made.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner, and shall not be construed as a representation that Applicant or Applicant's attorneys have personal knowledge of the contents of the listed art or any events surrounding the listed art.

The Examiner is requested to initial the attached form PTO-1449, as indicated. It is respectfully requested that the Examiner then return to the undersigned a copy of the initialed and completed Form PTO-1449 that indicates the enclosed referenced art has been considered in its entirety.

No additional fees are believed to be required in connection with this filing. To the extent that any further fees, whatsoever, are required, including petition fees, the Commissioner is hereby authorized to charge payment of any additional fees, including any under 37 C.F.R. § 1.16 or 37 C.F.R. § 1.17, to Deposit Account No. 23-3189, Attorney Docket No. 82274.93.

**Please direct all correspondence to the practitioner listed below at Customer No. 24347.**

Respectfully submitted,

Ryan S. Loveless  
Ryan S. Loveless  
Registration No. 51,970

Hunton & Williams LLP  
Energy Plaza, 30<sup>th</sup> Floor  
1601 Bryan Street  
Dallas, TX 75201-3402  
Tel: 214.979.3093  
Fax: 214.880.0011  
email: rloveless@hunton.com

ATTORNEY FOR APPLICANT

November 3, 2003

LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
G. Douglas MeeganFILING DATE  
November 3, 2003GROUP  
Not Yet Assigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME OF INVENTOR	CLASS	SUBCLASS	FILING DATE (if appropriate)
	2,448,372 ✓	Aug. 31, 1948	C.B. Horsley	259	1	Feb. 7, 1946
	2,535,679 ✓	Dec. 26, 1950	C. B. Horsley et al.	183	114	Sept. 12, 1946
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	2,609,063 ✓	Sept. 2, 1952	C. B. Francis	183	32	June 2, 1950
	2,646,133 ✓	July 21, 1953	H. C. Schutt	183	32	July 3, 1948
	3,026,966 ✓	March 27, 1962	S. H. V. Asklof	183	15	March 9, 1959
	3,389,971 ✓	June 25, 1968	H. Alliger	23	277	June 14, 1967
	3,681,009 ✓	Aug. 1, 1972	C. B. Horsley	23	2 R	Dec. 10, 1969
	4,307,964 ✓	Dec. 29, 1981	James E. Dudgeon et al.	366	127	Feb. 25, 1981
	4,313,920 ✓	Feb. 2, 1982	William T. Cooper	423	449	Feb. 26, 1980
	4,319,891 ✓	Mar. 16, 1982	Gerald L. Anderson et al.	55	15	Nov. 13, 1980
	4,378,976 ✓	Apr. 5, 1983	William F. Rush	55	15	Aug. 14, 1981
	4,475,921	Oct. 9, 1984	Martin B. Barmatz	23	313 R	Mar. 24, 1982
	4,770,675	Sep. 13, 1988	Ulrich H. Kurzweg et al.	55	15	Jan. 12, 1987
	4,948,497	Aug. 14, 1990	Tihiro Ohkawa	209	1	May 18, 1988
	5,085,673	Feb. 4, 1992	Bill F. Bentley et al.	55	10	Mar. 19, 1991
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	5,353,721	Oct. 11, 1994	Momtaz N. Mansour et al.	110	345	Mar. 29, 1993
	5,419,877	May 30, 1995	Robert R. Goforth et al.	422	177	Sep. 17, 1993
	5,769,913 ✓	Jun. 23, 1998	Juan A. Gallego Juarez et al.	55	277	Apr. 14, 1997
	5,827,350 ✓	Oct. 27, 1998	Joseph Magill et al.	95	29	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY FILED IN OR PCT	CLASS	SUBCLAS S	TRANSLATION	
						YES	NO

**OTHER ART**

(Include name of author (in CAPITAL LETTERS), title of article, title of item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume issue number(s), publisher, city and/or country where published)

EXAMINER INITIAL	
	CHRIS EVERETT PETERSON, B.S., Thesis: "Experimental Studies in Acoustic Agglomeration: Dependence on Frequency and SPL," August 2000, 103 pgs.
	D. S. SCOTT, "A New Approach to the Acoustic Conditioning of Industrial Aerosol Emissions" (Journal of Sound and Vibration) 1975, 43(4), pgs. 607-619.
	J. A. GALLEGOS et al., "A Pilot Scale Acoustic System For Fine Particle Removal From Coal Combustion Fumes" (1995 World Congress on Ultrasonics), pgs. 737-740, Madrid, Spain.
	KARL MATTHEW MARTIN, B.S., "Acoustic Filtration in a Closed System" (Thesis), December 1997, 91 pgs., The University of Texas at Austin.

EXAMINER SIGNATURE:

DATE CONSIDERED:

\*EXAMINER: Please initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Please include copy of this form with next communication to applicant.